## Elwha Restoration Project Impacts to Jurisdictional Waters Flood Protection Projects

| Project                                       | Property<br>Owner/Locati<br>on  | Construction<br>Features                                     | Material Placed in Regulated Waters and/or Shoreline | JARPA Item #10<br>Fill Below OHWM |        |          |       |             | PA Item #<br>ands fill | 11       | JARPA Item #13<br>Wetlands dredging |                |       |
|---|---|--|--|-----------------------------------|--------|----------|-------|-------------|------------------------|----------|-------------------------------------|----------------|-------|
|   |   |  |  | Cubic y                           | ards   |          |       | Cubic yards |                        |          |                                     | Cubic yards of | Acres |
|   |   |  |  | Fill                              | Riprap | Concrete | Acres | Fill        | Riprap                 | Concrete | Acres                               | excavation     |       |
| County Levee<br>Modification                  | LEKT/"The<br>Place" Flood<br>Control Zone<br>District<br>RM 0.0 - 0.3 | Modify existing to provide current level of flood protection | Yes – Tidal<br>Waters                                | 600                               | 0      |          | .12   |             |                        |          |                                     |                |       |
| Brase<br>Residence (RM<br>1.7 Left Bank)      | Brase   | Provide<br>existing flood<br>protection                      | Shoreline  |                                   |        |          |       |             |                        |          |                                     |                |       |
| Industrial<br>Pipeline Road<br>Raise          | City and Others   | Provide 100-<br>yr flood<br>access for<br>pipeline           | Wetland  |                                   |        |          |       | 15          |                        |          | .01                                 |                |       |
| EWTP Flood<br>Protection                      | County ROW<br>City/State  | Construct<br>Levee for<br>100- yr flood<br>level             | Elwha<br>River                                       | 1025                              |        | 870      |       |             |                        |          |                                     |                |       |
| Green Crow<br>Residence (RM<br>3.6 Left Bank) | Green Crow  | Provide<br>existing flood<br>protection                      | Shoreline  |                                   |        |          |       |             |                        |          |                                     |                |       |

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| Project  | Property<br>Owner/Locati<br>on          | Construction<br>Features                | Material Placed in Regulated Waters and/or Shoreline | Fill Be         | Item #10<br>low OHW |          | JARPA Item #11<br>Wetlands fill |               |                 |          | JARPA Item #13<br>Wetlands dredging |                           |       |
|--|---|---|--|-----------------|---------------------|----------|---------------------------------|---------------|-----------------|----------|-------------------------------------|---------------------------|-------|
|  |   |   |  | Cubic y<br>Fill | ards<br>Riprap      | Concrete | Acres                           | Cubic<br>Fill | yards<br>Riprap | Concrete | Acres                               | Cubic yards of excavation | Acres |
|  |   |   |  |                 |                     |          |                                 |               |                 | 110105   |                                     |                           |       |
| Rainier<br>Residence<br>Protection (RM<br>3.7 Left Bank)                     | Rainier                                 | Provide<br>existing flood<br>protection | Shoreline  |                 |                     |          |                                 |               |                 |          |                                     |                           |       |
| Collins<br>Residence<br>Protection (RM<br>3.7 Right Bank)                    | Collins                                 | Provide<br>existing flood<br>protection | Shoreline  |                 |                     |          |                                 |               |                 |          |                                     |                           |       |
| Pedersen<br>Residence and<br>Yurt Protection<br>(RM 8.0 & 8.1<br>Right Bank) | Pedersen<br>Olympic Hot<br>Springs Road | Provide<br>existing flood<br>protection | Shoreline  |                 |                     |          |                                 |               |                 |          |                                     |                           |       |
| Emery<br>Residence<br>Protection (RM<br>8.15 Right<br>Bank)                  | Emery<br>Olympic Hot<br>Springs Road    | Provide<br>existing flood<br>protection | Shoreline  |                 |                     |          |                                 |               |                 |          |                                     |                           |       |

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|---|-------------------------------------|---|--|-----------------|---------------------|----------|---------------------------------|---------------|-----------------|----------|-------------------------------------|---------------------------|-------|
|   |                                     |   |  | Cubic y<br>Fill | ards<br>Riprap      | Concrete | Acres                           | Cubic<br>Fill | yards<br>Riprap | Concrete | Acres                               | Cubic yards of excavation | Acres |
| Shaw<br>Residence<br>Protection (RM<br>8.3 Right Bank)        | Shaw<br>Olympic Hot<br>Springs Road | Provide<br>existing flood<br>protection | Shoreline  |                 |                     |          |                                 |               |                 |          |                                     |                           |       |
| Training Dike<br>Modification<br>(RM 8.4 - 8.5<br>Right Bank) |                                     | Provide<br>existing flood<br>protection | Yes –<br>Wetland                                     |                 |                     |          |                                 | 100           |                 |          | 0.01                                |                           |       |
| Bird Residence<br>Protection (RM,<br>9.6 Right Bank)          | Bird<br>Olympic Hot<br>Springs Road | Provide<br>existing flood<br>protection | Yes –<br>Elwha<br>River                              |                 | 420                 |          | 0.063                           |               |                 |          |                                     | 800                       | 0.063 |
| TOTALS  |                                     |   |  | 1625            | 420                 | 870      | 0.203                           | 115           |                 |          | 0.02                                | 800                       | 0.063 |